Abhipsha Das

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Education

Kalinga Institute of Industrial Technology   **2021 - 2025**
B.Tech in Computer Science & Engineering   *CGPA: 8.50*

Delhi Public School, Ranchi   **2020 - 2021**
Senior Secondary School (12th)   *Percentage: 96.1%*

Work Experience

Summer Intern   **May 2023 – June 2023**
Steel Authority of India Limited (SAIL)   *Ranchi, India*

- Completed training in the C&IT department.
- Developed an Asset Management System using XAMPP, SQL, PHP, and HTML, optimizing asset tracking and management processes by reducing tracking time by 30%.

Projects

Gaming Portal (Website)

- Designed and developed a gaming portal using HTML, CSS, JavaScript, and C++ for game logic.
- Featured games such as Snake, Space Invaders, Sudoku, Rock Paper Scissors, Tic Tac Toe, and Guess the Word.
- Created custom icons and visuals with Canva, integrating interactive effects and sounds to enhance user experience, increasing user engagement by 25%.

Smart Door Lock - Face Recognition System   **GitHub**

- Designed and implemented a secure smart door lock system using facial recognition, enhancing security by 30%.
- Utilized Python, OpenCV, and NumPy for facial data processing, achieving 95% recognition accuracy and reducing training time by 20%.
- Integrated IoT capabilities for remote access and control, allowing users to monitor and manage the lock system from their smartphones.

ASL Sign Language Detection System (GitHub)

- Developed an ASL Sign Language Detection System using Python and Random Forest Classifier, achieving 90% accuracy in gesture recognition and enhancing user interface design.
- Integrated OpenCV, MediaPipe, Pillow, NumPy, Pickle, and Tkinter, improving data manipulation efficiency by 25%
- Implemented real-time feedback for users, providing instant visual and audio feedback on recognized signs, enhancing user interaction and learning experience.

Skills

Technical Skills: C, C++, HTML, CSS, JavaScript, Python, SQL, Canva, Microsoft Office
Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems, Software Engineering, Compiler Design
Soft Skills: Communication, Critical Thinking, Teamwork, Time Management

Extracurricular Activities

E-Mentoring Coordinator - Asia Programme   **May 2022**
Laurea University, Vantaa, Finland & Humak University, Kauniainen, Finland

- Led workshops on E-Mentoring for Youth and Social Inclusion at Nuori Espoo Youth Centre and Youth Academy Finland.
- Engaged in a workshop on Mixed Reality based on 5G mmWave technology at Microsoft Office, Helsinki.
- Coordinated digital youth work outreach workshops with VEREKESO and The Mannerheim League for Child Welfare (MLL).

Leadership & Service

Senior Executive, KIIT Entrepreneurship Cell   **Sept 2022 - Present**
Bhubaneswar, India

Outreach Officer, KIIT Model United Nations   **Jul 2022 - Sept 2022**
Bhubaneswar, India

Marketing Executive, GeeksforGeeks (GFG), KIIT Student Chapter   **Jul 2022 - Present**
Bhubaneswar, India